

PRODUCT TESTING LABORATORY
Final Laboratory Averages Report

Report Date : Oct 31 2000 9:55AM Reported By : WILL,NANCY
 Request : MA00-7 Date Submitted: 09/13/00
 Submitter : S.Laffoon/L.Chambers Date Received: 09/13/00
 Request Type : inh Date Completed: 10/19/00
 Activity : T00107 Approved By: WILL,NANCY
 Description : MASSACHUSETTS COMPLIANCE TESTING - TESTING PURPOSES

Categories/Tests	<u>BL8M</u>			<u>BU8B</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	39.0			39.0		
MA Tar, mg/cigt.	26.7	1.34	19	17.6	0.86	20
MA TPM, mg/cigt.	37.3	2.59	19	22.4	1.29	20
MA Nicotine, mg/cigt.	1.87	0.085	19	1.42	0.063	20
MA Water, mg/cigt.	8.73	1.284	19	3.45	0.616	20
MA Puffs/Cigt.	13.5	0.64	19	13.1	0.35	20
Tar/Puff, mg	2.0			1.3		
MA CO, mg/cigt.	26.2	1.32	19	19.3	0.75	20
Filter						
Tipping Paper Length, mm	36.0			36.0		
Ventilation, %	25	2.2	60	54	2.0	60
Filler						
Tobacco Weight, g	0.804	0.0050	2	0.704	0.0021	2
(1)Total Alkaloids, mg/cigt.	14.38	0.014	2	13.13	0.001	2
(1)OV After Grinding, %	9.4	0.01	2	9.4	0.02	2

Categories/Tests	<u>BH8M</u>			<u>CA8</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	35.0			39.0		
MA Tar, mg/cigt.	33.3	1.20	19	24.0	1.02	19
MA TPM, mg/cigt.	48.8	2.84	19	34.3	2.56	19
MA Nicotine, mg/cigt.	2.38	0.072	19	1.59	0.061	19
MA Water, mg/cigt.	13.03	1.764	19	8.78	1.646	19
MA Puffs/Cigt.	13.0	0.41	19	12.2	0.36	19
Tar/Puff, mg	2.6			2.0		
MA CO, mg/cigt.	27.9	1.36	19	27.7	1.43	19
Filter						
Tipping Paper Length, mm	32.0			36.0		
Ventilation, %	12	1.9	60	15	2.2	60
Filler						
Tobacco Weight, g	0.853	0.0085	2	0.771	0.0028	2
(1)Total Alkaloids, mg/cigt.	15.57	0.156	2	12.78	0.198	2
(1)OV After Grinding, %	10.9	0.04	2	10.3	0.02	2

Categories/Tests	<u>CB8</u>			<u>MEU6</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	39.0			35.0		
MA Tar, mg/cigt.	18.9	1.04	20	7.5	0.75	19
MA TPM, mg/cigt.	24.5	1.87	20	9.0	0.90	19

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MA Nicotine, mg/cigt.	1.29	0.060	20	0.68	0.038	19
MA Water, mg/cigt.	4.32	0.848	20	0.81	0.242	19
MA Puffs/Cigt.	13.0	0.39	20	8.7	0.30	19
Tar/Puff, mg	1.4			0.9		
MA CO, mg/cigt.	24.6	1.18	20	11.1	1.10	19
Filter						
Tipping Paper Length, mm	36.0			32.0		
Ventilation, %	49	1.9	60	71	1.5	59
Filler						
Tobacco Weight, g	0.761	0.0042	2	0.508	0.0050	2
(1)Total Alkaloids, mg/cigt.	12.36	0.170	2	12.18	0.028	2
(1)OV After Grinding, %	9.0	0.01	2	8.2	0.01	2

Categories/Tests	<u>ME8</u>			<u>MU8</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	39.0			39.0		
MA Tar, mg/cigt.	24.8	1.03	20	19.2	0.70	20
MA TPM, mg/cigt.	34.4	2.04	20	25.0	1.21	20
MA Nicotine, mg/cigt.	1.88	0.076	20	1.55	0.055	20
MA Water, mg/cigt.	7.69	1.075	20	4.22	0.614	20
MA Puffs/Cigt.	13.9	0.38	20	12.6	0.49	20
Tar/Puff, mg	1.8			1.5		
MA CO, mg/cigt.	25.2	0.87	20	23.6	0.98	20
Filter						
Tipping Paper Length, mm	36.0			36.0		
Ventilation, %	30	2.1	60	45	2.0	60
Filler						
Tobacco Weight, g	0.814	0.0028	2	0.732	0.0010	2
(1)Total Alkaloids, mg/cigt.	15.20	0.247	2	14.24	0.382	2
(1)OV After Grinding, %	10.7	0.01	2	9.9	0.04	2

Categories/Tests	<u>MEU8</u>			<u>PR8</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	39.0			39.0		
MA Tar, mg/cigt.	10.5	0.87	20	27.8	1.23	20
MA TPM, mg/cigt.	12.9	1.20	20	39.1	1.86	20
MA Nicotine, mg/cigt.	0.94	0.054	20	2.08	0.079	20
MA Water, mg/cigt.	1.47	0.362	20	9.17	0.791	20
MA Puffs/Cigt.	9.4	0.54	20	13.0	0.31	20
Tar/Puff, mg	1.1			2.1		
MA CO, mg/cigt.	17.2	1.24	20	25.8	1.00	20
Filter						
Tipping Paper Length, mm	36.0			36.0		

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 Description : MASSACHUSETTS COMPLIANCE TESTING - TESTING PURPOSES

Ventilation, %	59	2.0	60	30	2.7	60
Filler						
Tobacco Weight, g	0.605	0.0078	2	0.796	0.0050	2
(1)Total Alkaloids, mg/cigt.	15.04	0.163	2	14.75	0.318	2
(1)OV After Grinding, %	7.9	0.01	2	9.8	0.01	2

Categories/Tests	<u>PR4B</u>			<u>VI8B</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	33.0			39.0		
MA Tar, mg/cigt.	22.9	1.08	19	17.0	1.16	19
MA TPM, mg/cigt.	35.4	2.22	19	21.1	1.38	19
MA Nicotine, mg/cigt.	1.57	0.071	19	1.39	0.070	19
MA Water, mg/cigt.	10.90	1.277	19	2.73	0.279	19
MA Puffs/Cigt.	9.9	0.39	19	13.7	0.42	19
Tar/Puff, mg	2.3			1.2		
MA CO, mg/cigt.	20.8	2.25	19	17.1	0.78	19
Filter						
Tipping Paper Length, mm	30.0			36.0		
Ventilation, %	30	3.5	60	61	2.6	60
Filler						
Tobacco Weight, g	0.627	0.0010	2	0.659	0.0021	2
(1)Total Alkaloids, mg/cigt.	11.88	0.092	2	12.45	0.064	2
(1)OV After Grinding, %	10.0	0.00	2	10.3	0.08	2

Categories/Tests	<u>VA8</u>			<u>VG8B</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	35.0			39.0		
MA Tar, mg/cigt.	31.1	1.32	20	22.6	1.44	20
MA TPM, mg/cigt.	44.4	2.30	20	30.9	2.33	20
MA Nicotine, mg/cigt.	2.33	0.082	20	1.70	0.069	20
MA Water, mg/cigt.	10.93	1.075	20	6.57	0.946	20
MA Puffs/Cigt.	13.1	0.38	20	12.7	0.34	20
Tar/Puff, mg	2.4			1.8		
MA CO, mg/cigt.	24.4	1.20	20	23.4	1.03	20
Filter						
Tipping Paper Length, mm	32.0			36.0		
Ventilation, %	20	2.9	60	38	1.9	60
Filler						
Tobacco Weight, g	0.732	0.0050	2	0.669	0.0035	2
(1)Total Alkaloids, mg/cigt.	13.46	0.106	2	12.51	0.028	2
(1)OV After Grinding, %	10.0	0.01	2	9.0	0.00	2

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Request Type : inh Date Completed: 10/19/00
Activity : T00107 Approved By: WILL,NANCY
Description : MASSACHUSETTS COMPLIANCE TESTING - TESTING PURPOSES

Categories/Tests	<u>VSS8B</u>			<u>1R4F</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke						
FTC Butt Length, mm	35.0			35.0		
MA Tar, mg/cigt.	13.7	0.93	20	21.2	1.14	20
MA TPM, mg/cigt.	17.4	1.37	20	30.8	2.15	20
MA Nicotine, mg/cigt.	1.19	0.078	20	1.64	0.081	20
MA Water, mg/cigt.	2.55	0.486	20	7.95	1.267	20
MA Puffs/Cigt.	10.7	0.43	20	12.8	0.53	20
Tar/Puff, mg	1.3			1.7		
MA CO, mg/cigt.	15.4	1.35	20	22.5	2.65	20
Filter						
Tipping Paper Length, mm	32.0			32.0		
Ventilation, %	73	2.6	60			
Filler						
Tobacco Weight, g	0.438	0.0010	2			
(1)Total Alkaloids, mg/cigt.	8.71	0.078	2			
(1)OV After Grinding, %	8.8	0.02	2			

Categories/Tests	<u>1R5F</u>		
	<u>Average</u>	<u>StdDev</u>	<u>N</u>
Smoke			
FTC Butt Length, mm	35.0		
MA Tar, mg/cigt.	9.6	0.96	20
MA TPM, mg/cigt.	11.8	1.04	20
MA Nicotine, mg/cigt.	0.69	0.036	20
MA Water, mg/cigt.	1.53	0.241	20
MA Puffs/Cigt.	9.3	0.28	20
Tar/Puff, mg	1.0		
MA CO, mg/cigt.	15.5	1.69	20
Filter			
Tipping Paper Length, mm	32.0		
Ventilation, %			
Filler			
Tobacco Weight, g			
(1)Total Alkaloids, mg/cigt.			
(1)OV After Grinding, %			

Notations:

1R4F - KENTUCKY REFERENCE
1R5F - KENTUCKY REFERENCE
BH8M - BENSON & HEDGES MENTHOL 100 SP TAPE 12.7
BL8M - BENSON & HEDGES LIGHTS MENTHOL 100 SP TAPE 12.7
BU8B - BENSON & HEDGES DELUXE ULTRA LIGHTS 100 HP TAPE 12.7
CA8 - CAMBRIDGE LIGHTS 100 SP TAPE 12.7

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Submitter :	S.Laffoon/L.Chambers	Date Received:	09/13/00
Request Type :	inh	Date Completed:	10/19/00
Activity :	T00107	Approved By:	WILL,NANCY
Description :	MASSACHUSETTS COMPLIANCE TESTING - TESTING PURPOSES		

CB8	- CAMBRIDGE ULTRA LOW TAR 100 SP TAPE 12.7
ME8	- MERIT 100 SP TAPE 12.7
MEU6	- MERIT ULTIMA KS SP TAPE 12.7
MEU8	- MERIT ULTIMA 100 SP TAPE 12.7
MU8	- MERIT ULTRA LIGHTS 100 SP TAPE 12.7
PR4B	- PARLIAMENT LIGHTS LS HP TAPE 12.7
PR8	- PARLIAMENT LIGHTS 100 SP (CHARCOAL FILTER) TAPE 12.7
VA8	- VIRGINIA SLIMS 100 SP TAPE 11.7
VG8B	- VIRGINIA SLIMS LIGHTS 100 HP TAPE 11.7
VI8B	- VIRGINIA SLIMS ULTRA LIGHTS 100 HP TAPE 11.7
VSS8B	- VIRGINIA SLIMS SUPER SLIMS 100 HP TAPE 8.7

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